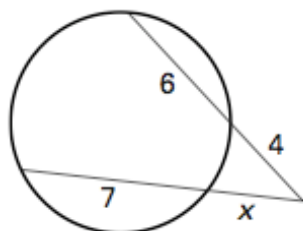


Geometry 10.5 Assignment Segment Lengths in a circle (pp 629-635)

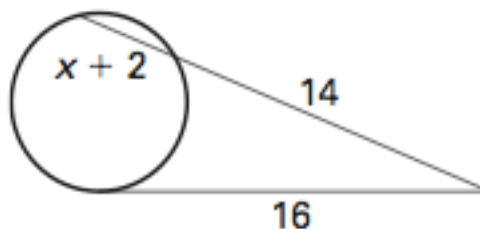
1. What is your name?

Find the value of x . Round decimal answers to the nearest tenth.

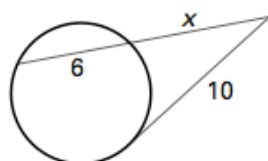
2.



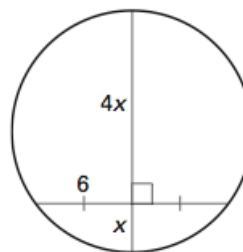
3.



4.



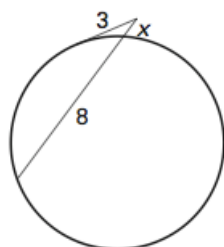
5.



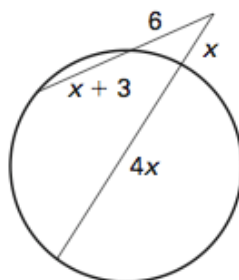
Geometry 10.5 Assignment Segment Lengths in a circle (pp 629-635)

Find the value of x . Round decimal answers to the nearest tenth.

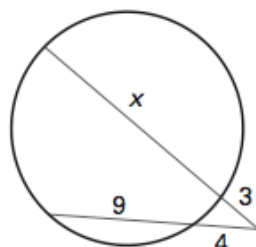
6.



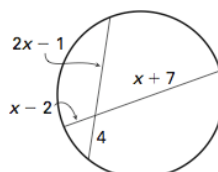
7.



8.

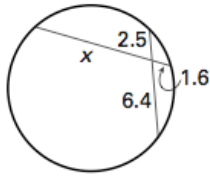


9.

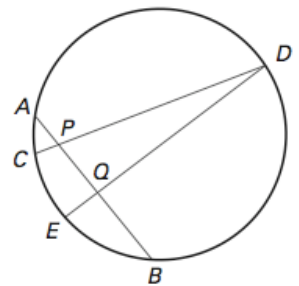


Geometry 10.5 Assignment **Segment Lengths in a circle (pp 629-635)**

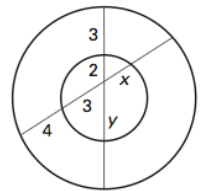
10. Find the value of x . Round decimal answers to the nearest tenth.



11. If $AP = 3$, $PQ = 5$, $QB = 7$, $CP = 2$, and $QD = 14$. Find PD and EQ .

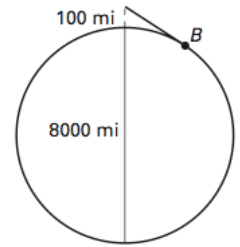


12. Can you solve for x and y in the concentric circles? Solve them if you can and explain why it is impossible, if you can't.



Geometry 10.5 Assignment
Segment Lengths in a circle (pp 629-635)

13. A satellite is orbiting approximately 100 miles above Earth. The furthest site that the satellite is able to take a photo of Earth is located at tangency point B . If Earth's diameter is approximately 8000 miles, what is the distance from the satellite to point B ?



14. Find AB to the nearest hundredth. Then find the coordinates of the midpoint of \overline{AB} : $A(5, -2)$, $B(-9, -2)$.

15. Write an equation of a line perpendicular to the given line at the given point: $y = -\frac{7}{3}x - 5$

Geometry 10.5 Assignment

Segment Lengths in a circle (pp 629-635)

16. Quadrilateral ABCD has vertices A(-6, 8), B(-1, 4), C(-2, 2), and D(-7, 3). Draw its image after the translation:

$$(x, y) \rightarrow \left(x, y - \frac{11}{2}\right).$$

